

FIG. 1

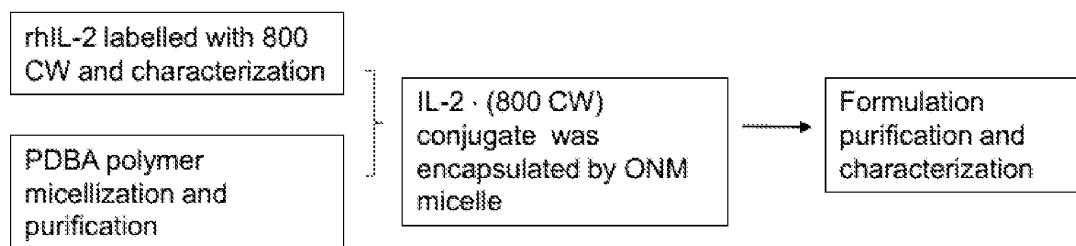


FIG. 2

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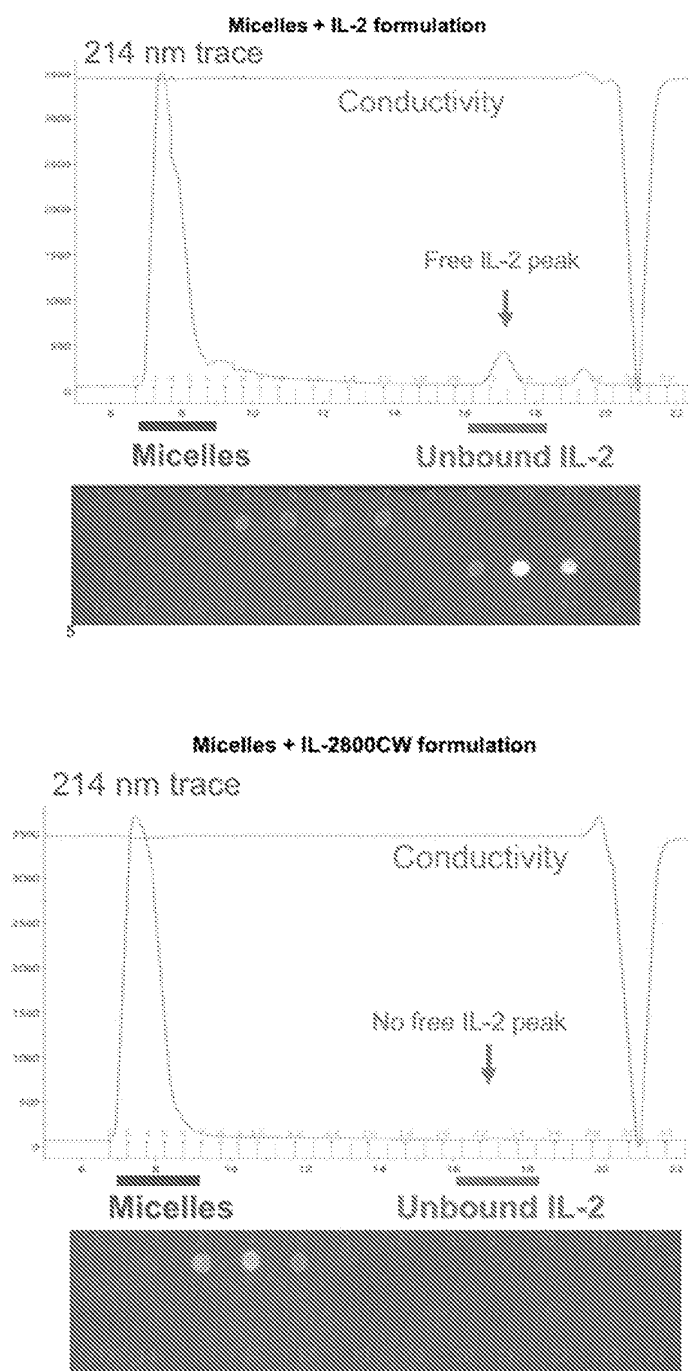


FIG. 3

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IL-2 versus IL-2 or IL-2CW800 in micelles  
in Promega IL-2 Bioactivity Assay

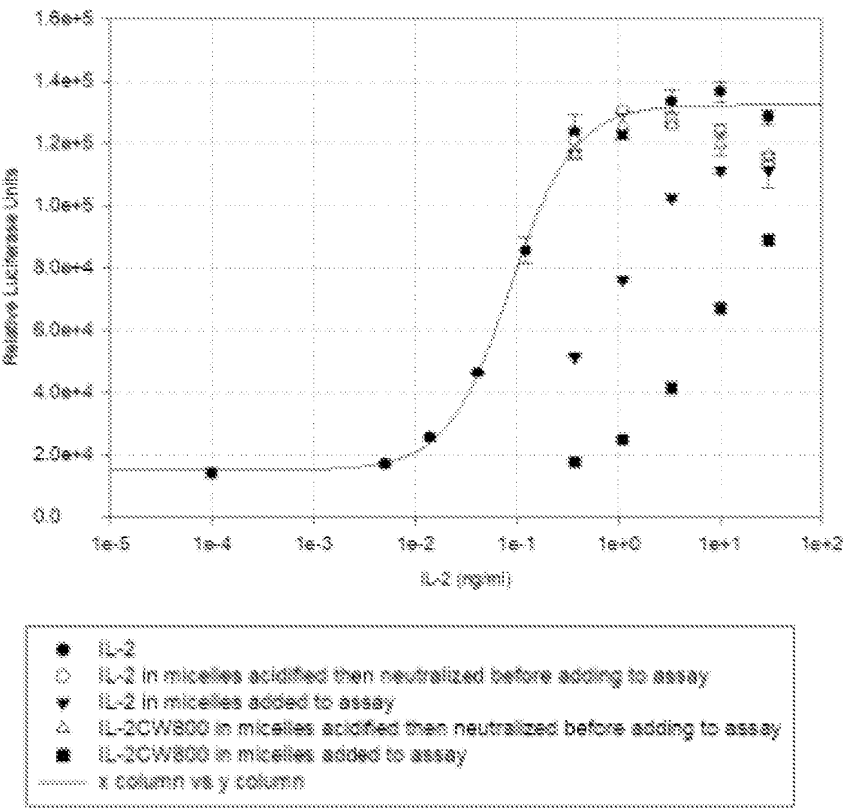


FIG. 4

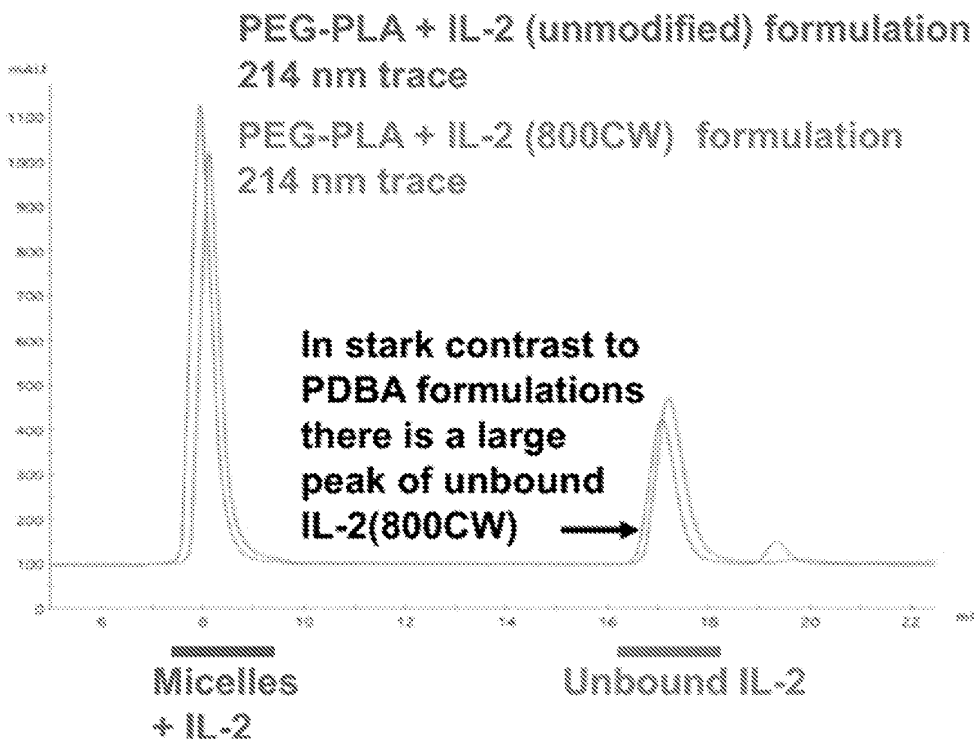


FIG. 5

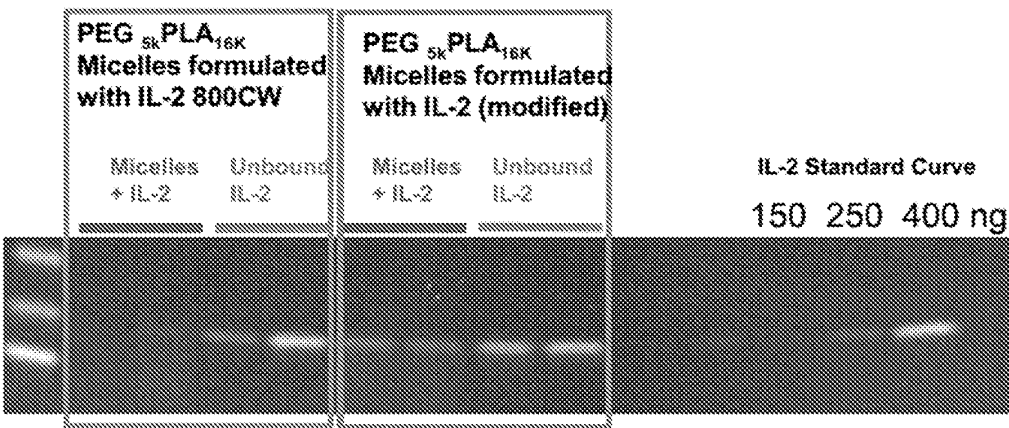


FIG. 6

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2020-01-27 IL-2 CW800 Micelles Sephadex 200 increase 10-300 GL  
isocratic elution test export (637157352767812649)

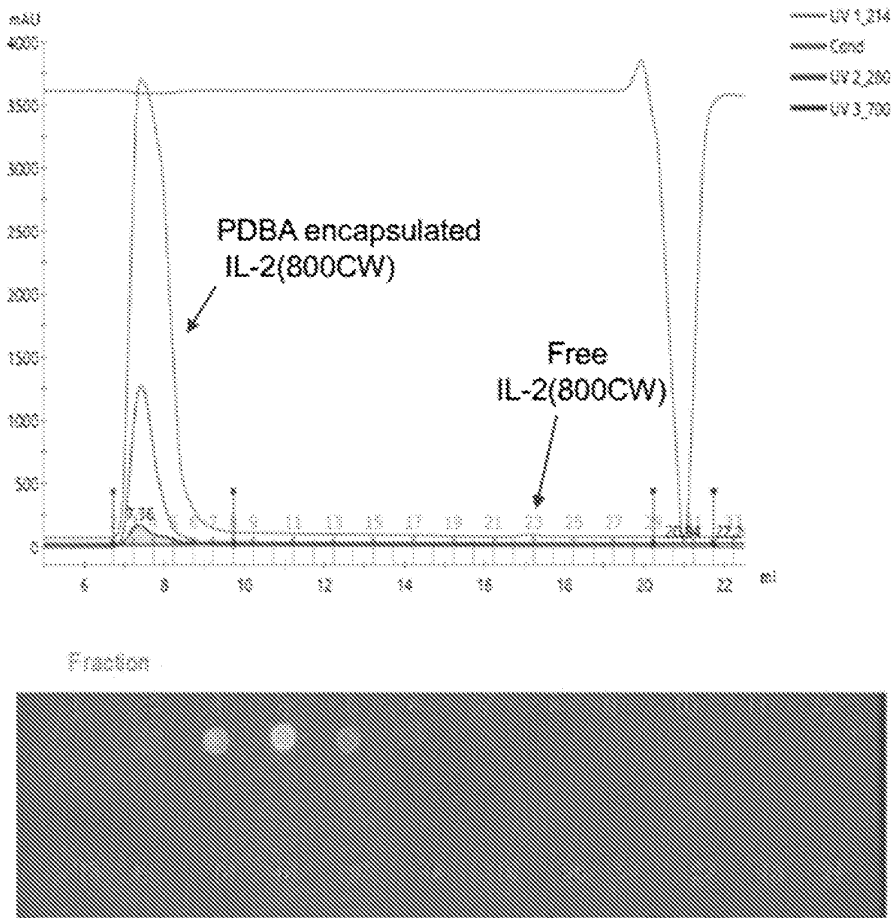
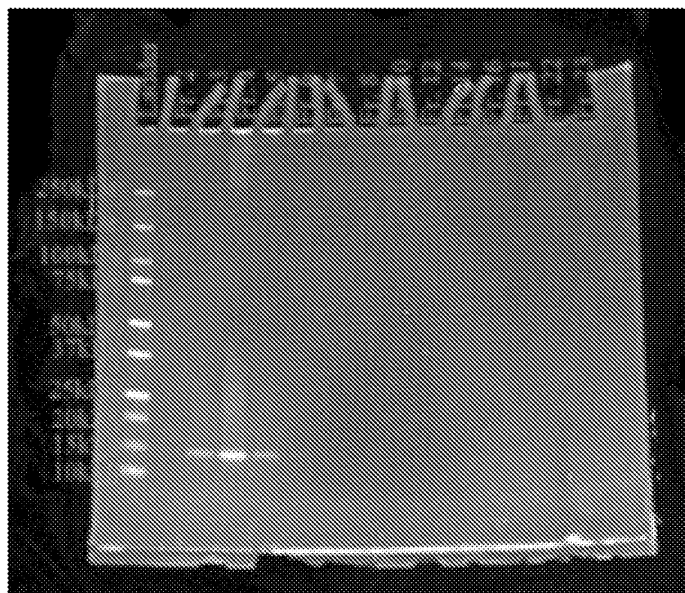
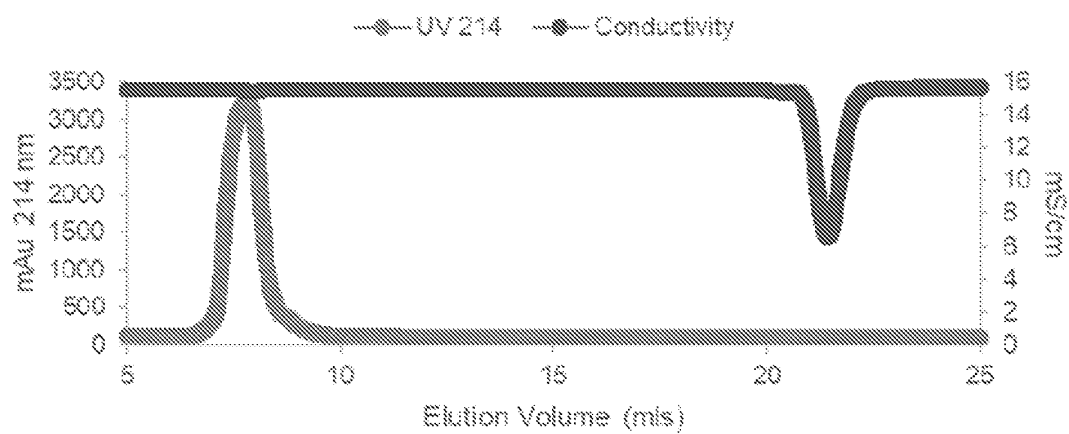


FIG. 7

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PDBA encapsulated IL-2 Superdex 200 elution pool  
(confirm stability and purity of loading)

**FIG. 8**

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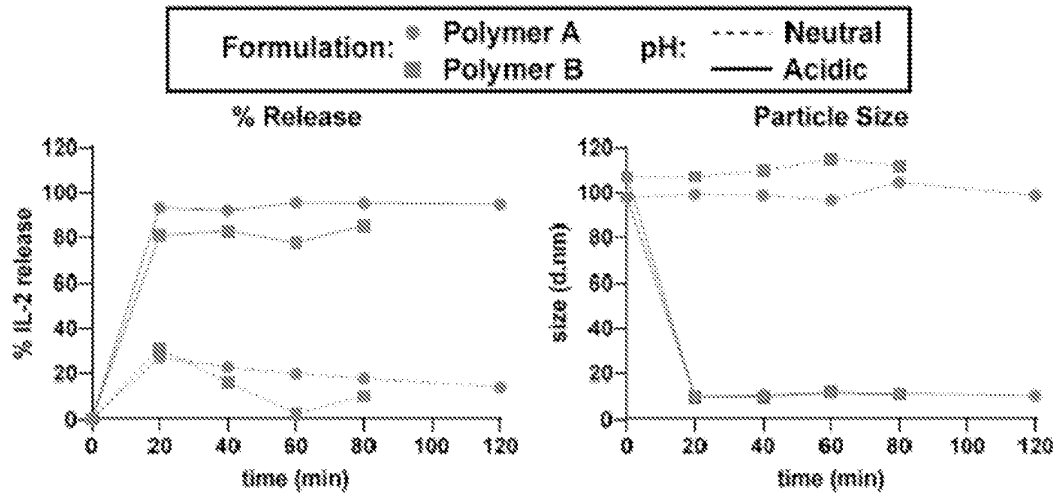


FIG. 9

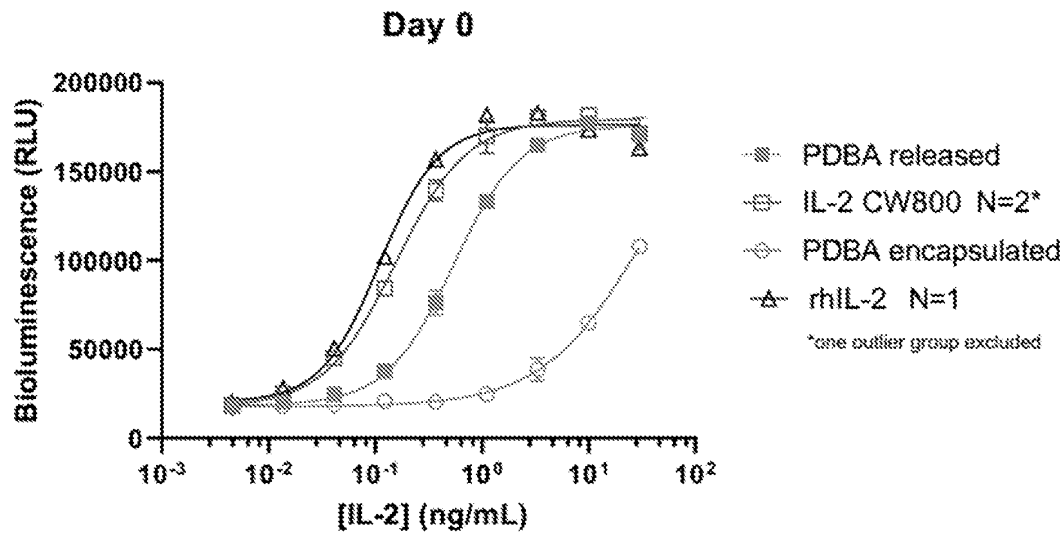
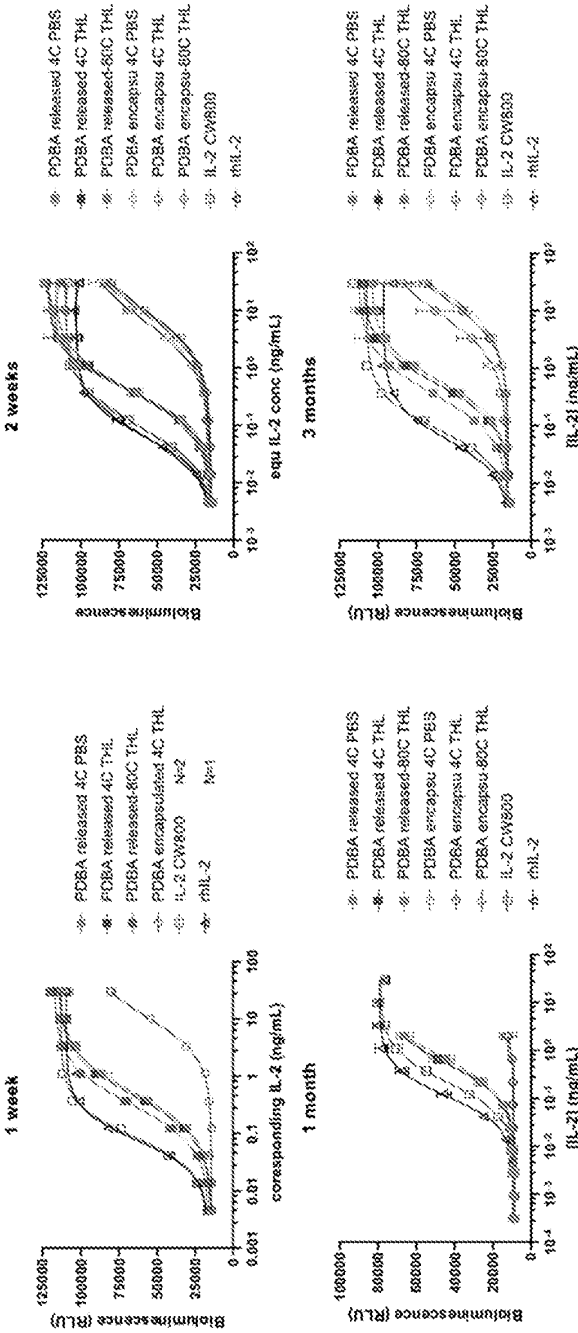
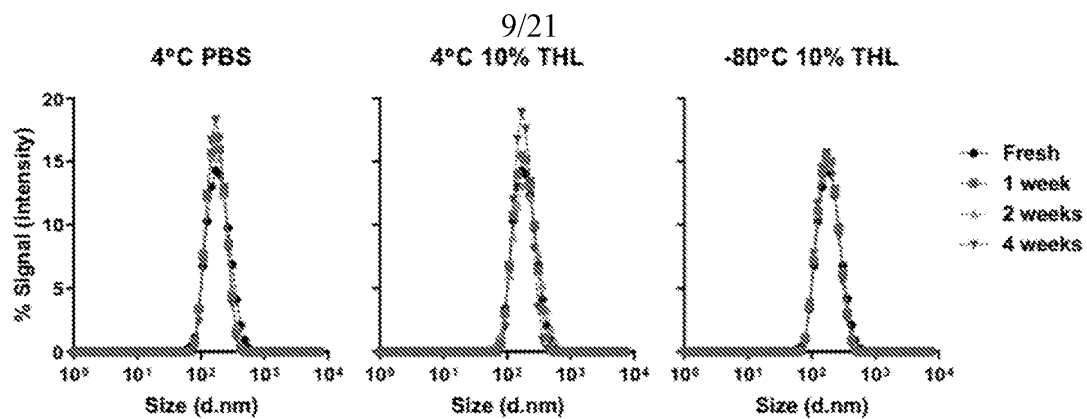


FIG. 10

FIG. 11





| Time     | PBS 4°C |               |                        | 10% THL 4°C |               |                        | 10% THL -80°C |               |                        |
|----------|---------|---------------|------------------------|-------------|---------------|------------------------|---------------|---------------|------------------------|
|          | PDI     | Z-Ave (Dh.nm) | Intensity mean (Dh.nm) | PDI         | Z-Ave (Dh.nm) | Intensity mean (Dh.nm) | PDI           | Z-Ave (Dh.nm) | Intensity mean (Dh.nm) |
| 0 Days   | 0.138   | 202           | 175                    | -           | -             | -                      | -             | -             | -                      |
| 1 week   | 0.0885  | 183           | 165                    | 0.133       | 195           | 173                    | 0.114         | 192           | 169                    |
| 2 weeks  | 0.106   | 185           | 166                    | 0.171       | 215           | 182                    | 0.132         | 194           | 171                    |
| 4 weeks  | 0.0759  | 182           | 166                    | 0.0696      | 183           | 168                    | 0.121         | 187           | 168                    |
| 12 weeks | 0.0596  | 160           | 175                    | 0.1016      | 187           | 185                    | 0.1096        | 169           | 189                    |

FIG. 12

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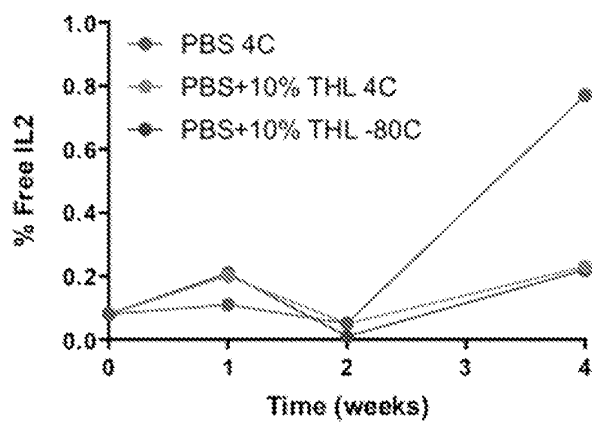
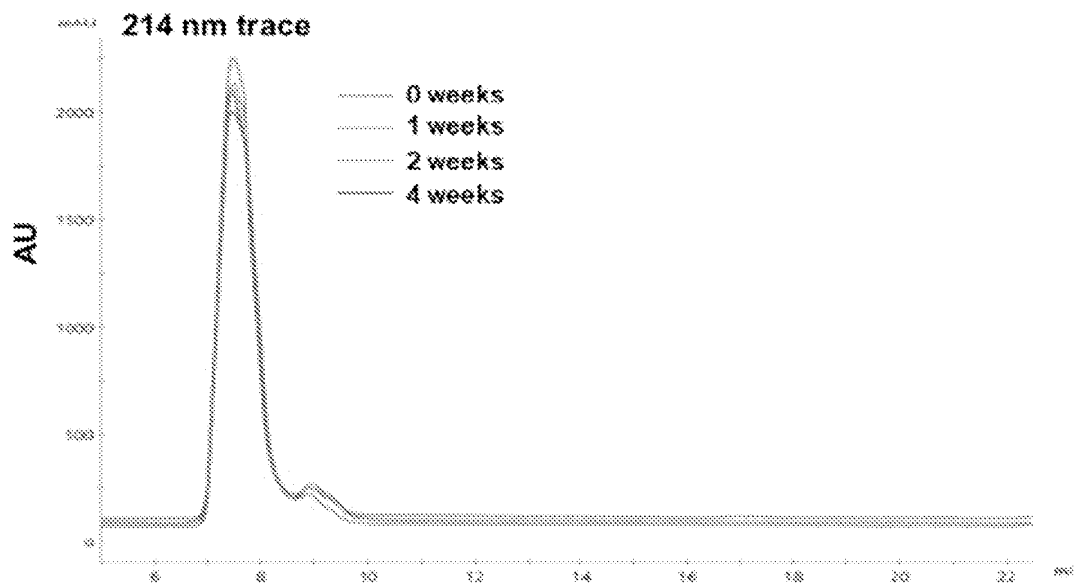


FIG. 13

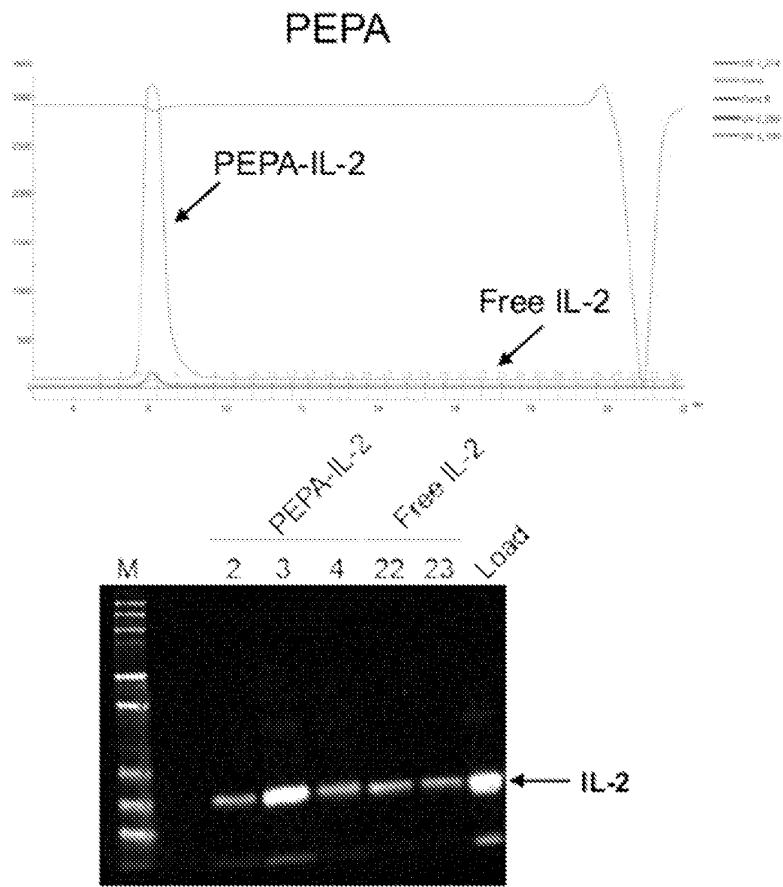


FIG. 14A

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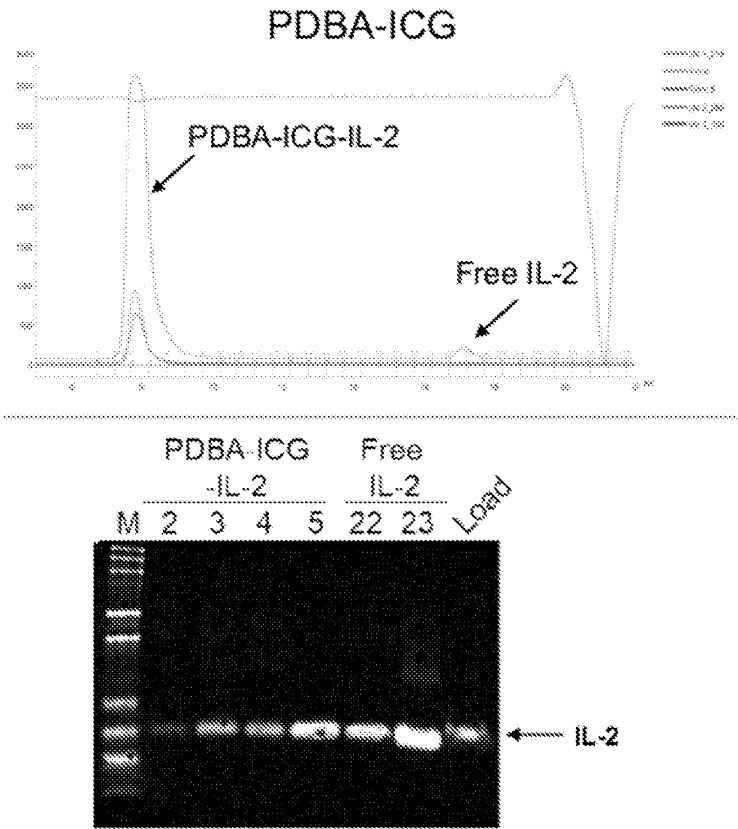


FIG. 14B

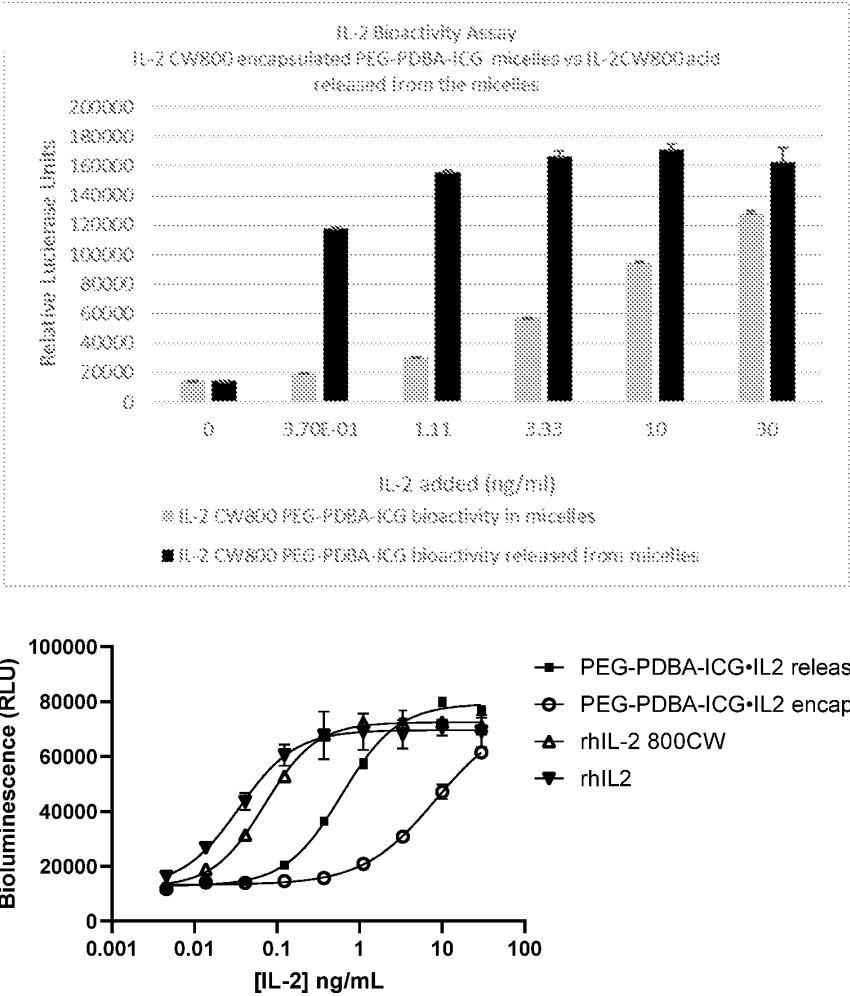
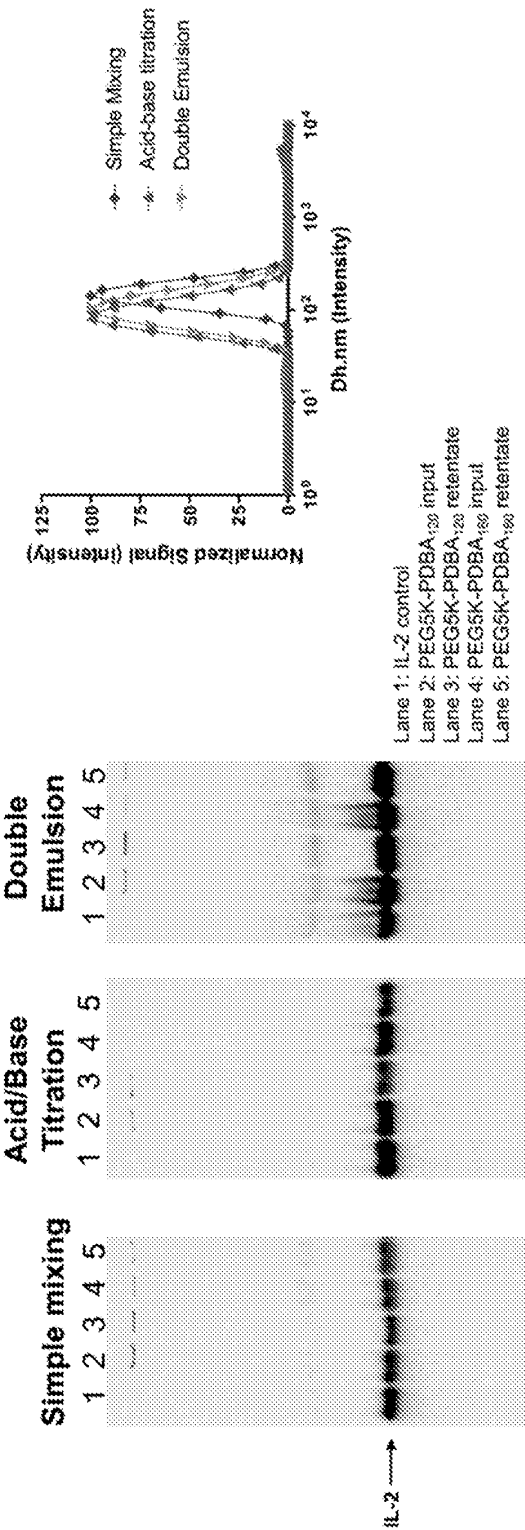
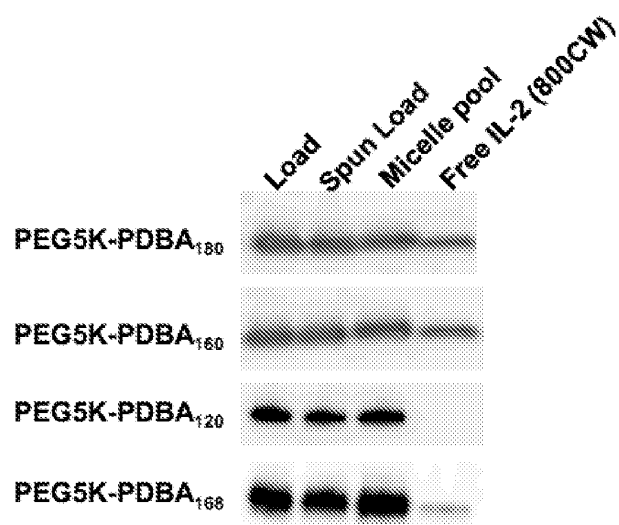


FIG. 15

FIG. 16



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Detection of IL-2 by WB

FIG. 17

FIG. 18

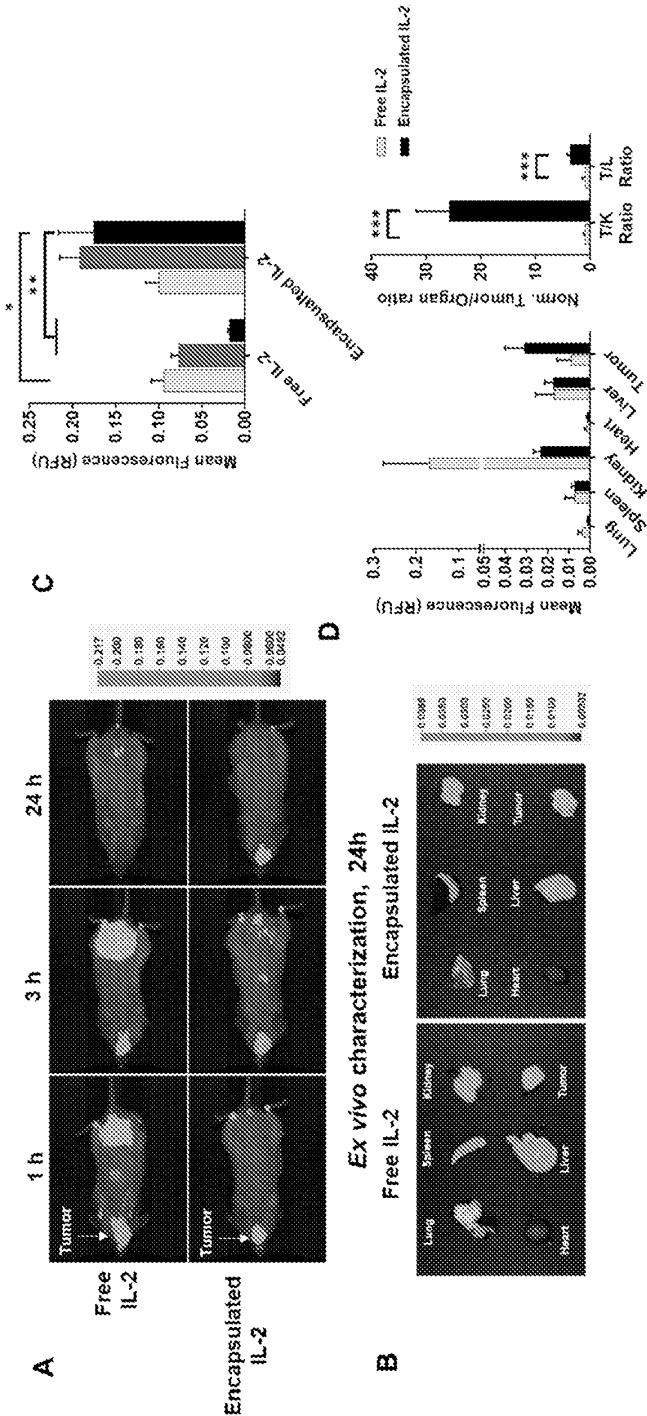


FIG. 19

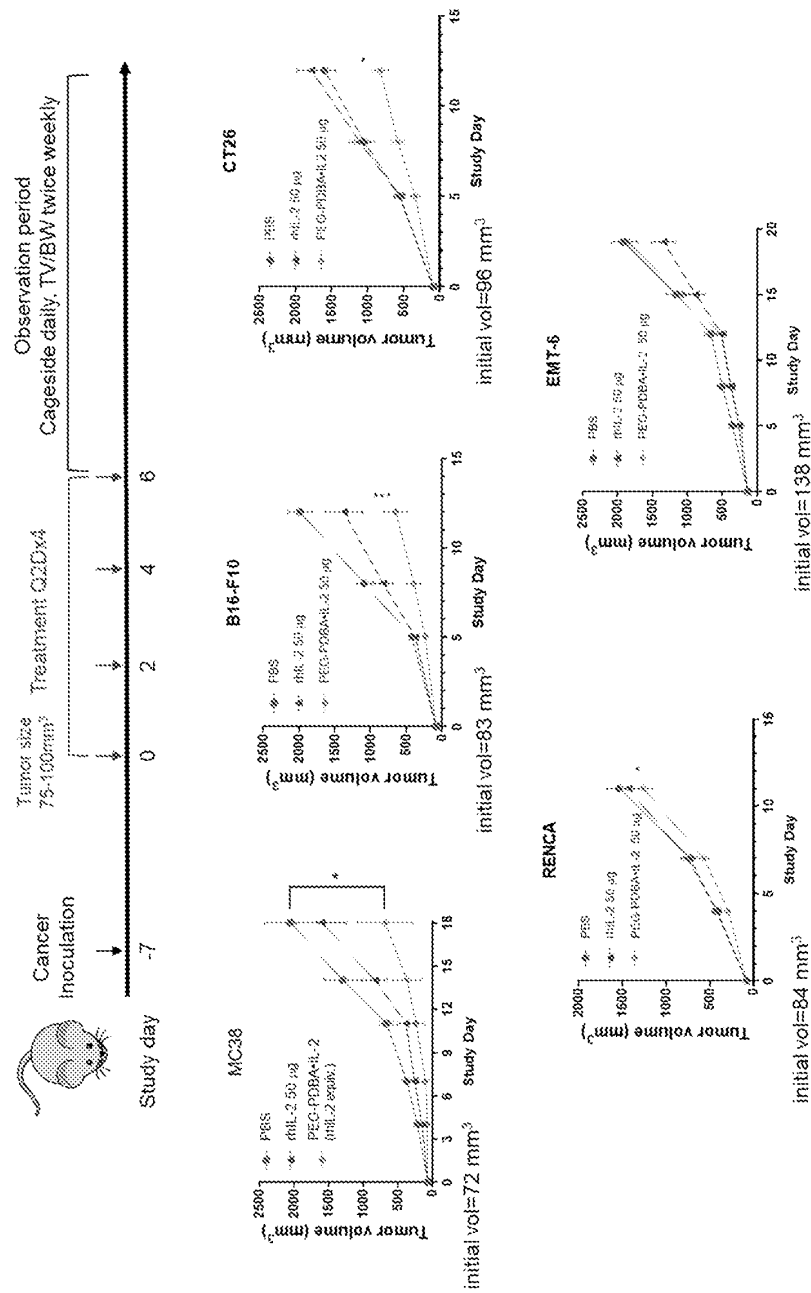
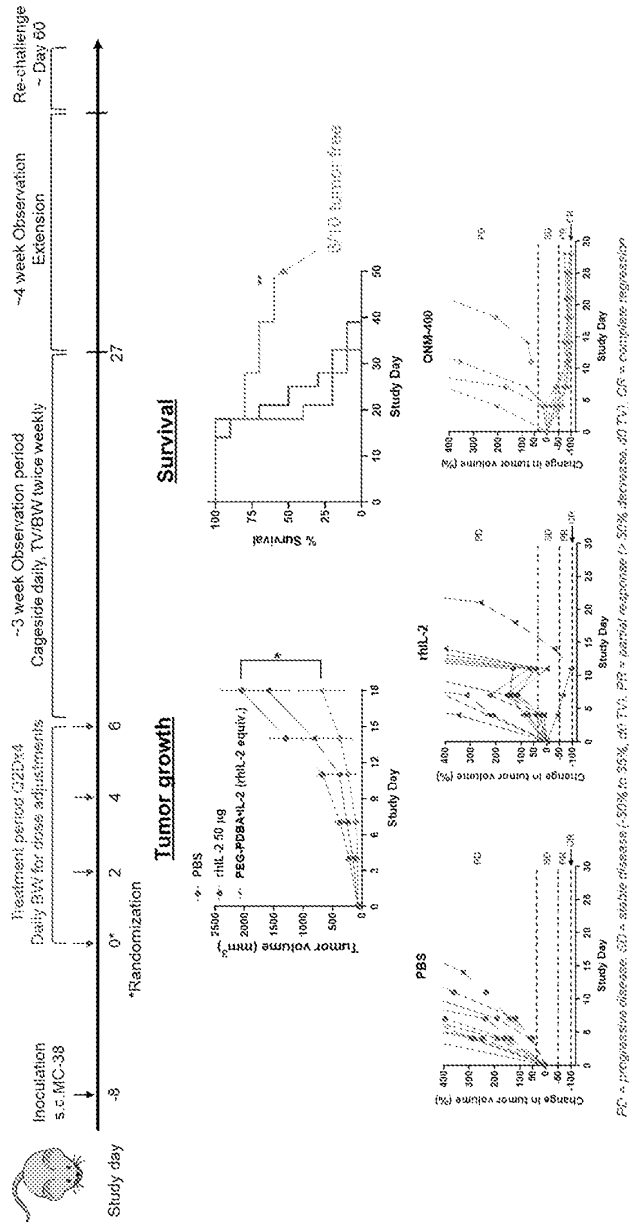
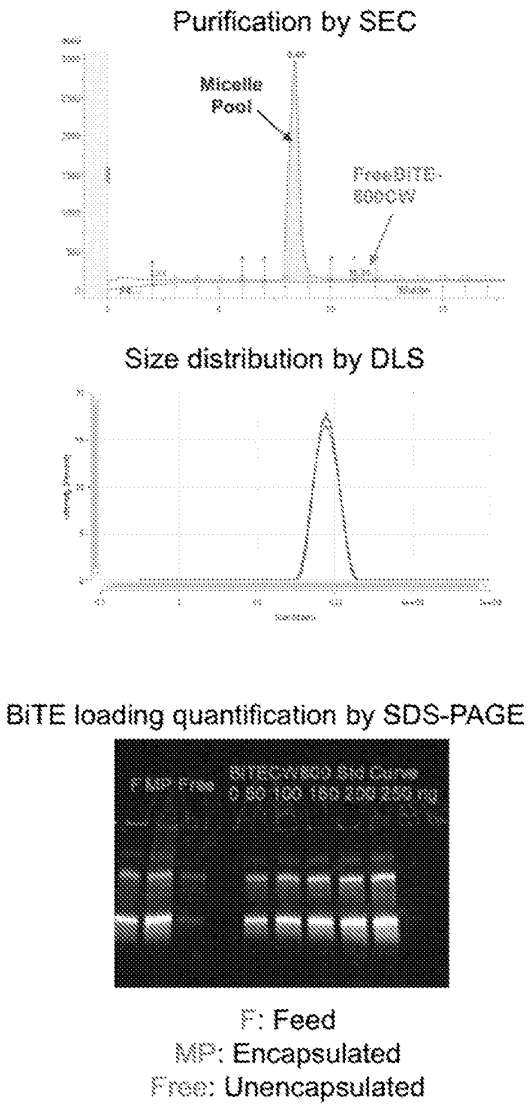


FIG. 20



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| Characterization |    |           |      |
|------------------|----|-----------|------|
| EE (%)           | 74 | Size (nm) | 52.8 |
| DL (%)           | 14 | PDI       | 0.08 |

FIG. 21

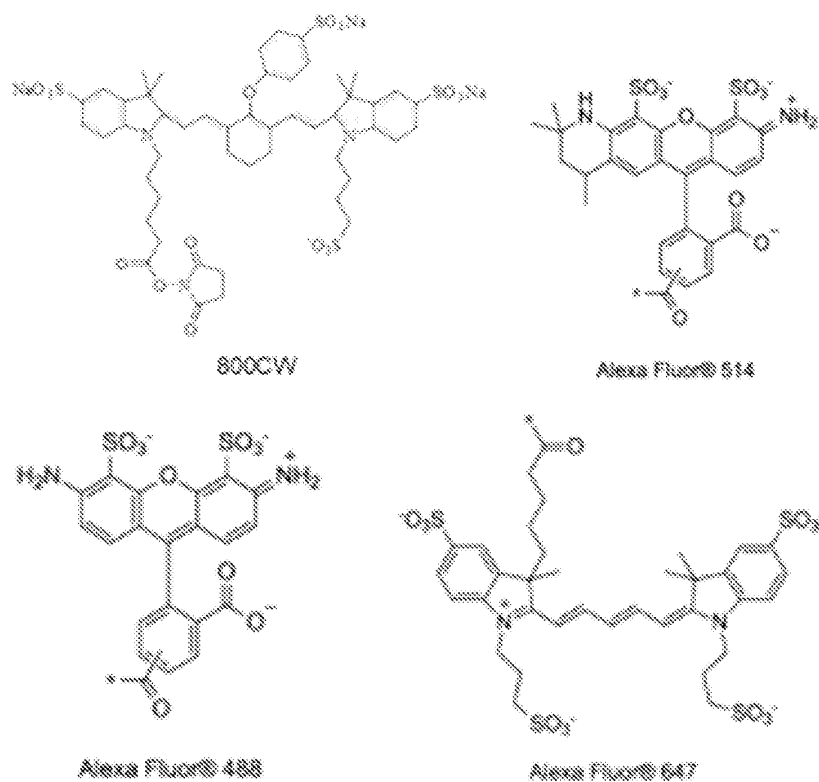


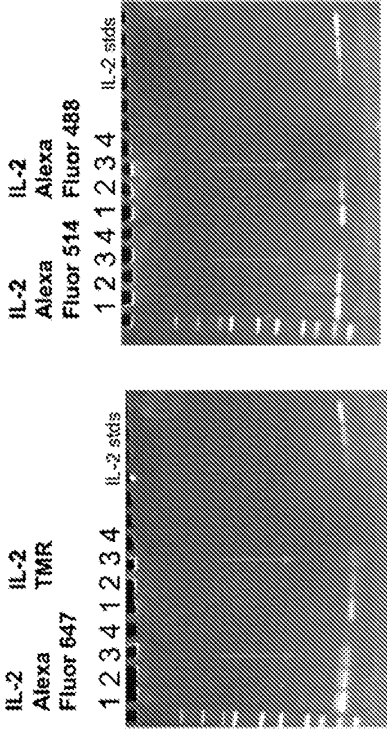
FIG. 22

FIG. 23

Coomassie Stains of Formulations and Column Pools

For each run  
Sample 1= Crud mixture  
Sample 2= Input  
Sample 3 = IL-2 micelle pool  
Sample 4 = Free IL-2 pool

Very limited Free IL-2 was  
observed on gel for the  
modified IL-2



| Sample    | IL-2 in micelle pool /ug | EE  |
|-----------|--------------------------|-----|
| IL-2(488) | 54                       | 77% |
| IL-2(514) | 56                       | 77% |
| IL-2(TMR) | 63                       | 53% |
| IL-2(647) | 97                       | 46% |